



# Crop Progress and Condition

## National Agricultural Statistics Service

United States Department of Agriculture • Washington, DC 20250

Northwest Regional Field Office • Olympia, WA 98507

Alaska Field Office • Palmer, AK 99645

1-800-478-6079 • www.nass.usda.gov/ak



Released: June 23, 2014

**ALASKA:** There were 5.0 days suitable for fieldwork last week as most of the major growing areas received some much needed rain. Topsoil moisture supplies improved to 10% short, 90% adequate. Subsoil moisture supplies were also reported as 10% short, 90% adequate. Barley and oats were both reported as 100% pre-boot. Potatoes were reported as 75% emerged. First cutting of hay was just getting underway. Condition of barley was reported 15% very poor, 25% poor, 50% fair, 10% good. Condition of oats was reported 5% very poor, 20% poor, 50% fair, 25% good. Condition of all hay was reported 15% poor, 55% fair, 30% good. Wind and rain damage to crops was reported as 97% none, 3% light. Rate of crop growth was reported as 65% moderate, 35% rapid. The main farm activities for the week were preparing for hay harvest, weed control, spreading manure, tilling summer fallow, farm maintenance.

### CROP WEATHER SUMMARY

June 16 – June 22, 2014

Days Suitable for Fieldwork: 5.0

| Crop   | Topsoil Moisture | Subsoil Moisture |
|--|------------------|------------------|
| Very Short                                       | 0%               | 0%               |
| Short  | 10%              | 10%              |
| Adequate   | 90%              | 90%              |
| Surplus  | 0%               | 0%               |
| Pan Evaporation <sup>1/</sup> UAF-AFES, Trunk Rd |                  | 1.27             |

**TANANA VALLEY:** An average of 4.0 days was suitable for fieldwork. Topsoil moisture and subsoil moisture were reported as 100% adequate. Barley and oats were both reported as 100% pre-boot. Potatoes were reported as 75% emerged. Condition of barley was reported 15% very poor, 25% poor, 50% fair, 10% good. Condition of oats was reported 5% very poor, 25% poor, 50% fair, 20% good. Condition of all hay was reported as 5% very poor, 30% poor, 55% fair, 10% good. Wind and rain damage to crops was reported as 95% none, 5% light. Rate of crop growth was reported as 50% moderate, 50% rapid. Farm activities for the week included spraying for weeds, seeding forage oats, preparing for first cutting of hay, spreading manure, fence construction and maintenance.

**MATANUSKA VALLEY:** An average of 6.0 days was suitable for fieldwork. Topsoil moisture was reported as 5% very short, 20% short, 75% adequate. Subsoil moisture was reported as 20% short, 80% adequate. Potatoes were reported as 80% emerged. Hay harvest was less than 5% complete. Condition of all hay was reported as 5% poor, 45% fair, 50% good. No damage to crops from wind and rain was reported. Rate of crop growth was reported as 80% moderate, 20% rapid. Farm activities for the week included preparing for hay harvest, irrigating, weed control, field tillage, farm maintenance.

**KENAI PENINSULA:** An average of 5.0 days was suitable for fieldwork. Topsoil and subsoil moisture were both reported as 100% adequate. Condition of all hay was reported as 95% fair, 5% good. No damage to crops from wind and rain was reported. Rate of crop growth was reported as 100% moderate. Farm activities for the week included weed control, preparing for hay harvest, farm maintenance.

### Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

|                        | Grass |      |      | Fallow land |      |      | Temperature |     | Precipitation (inches) |
|------------------------|-------|------|------|-------------|------|------|-------------|-----|------------------------|
|                        | 2014  | 2013 | 2012 | 2014        | 2013 | 2012 | High        | Low |                        |
| UAF-AFES, Trunk Rd     | 56    | 55   | na   | 53          | 60   | na   | 70          | 39  | 0.66                   |
| Sawmill Creek          | 47    | 53   | 54   | na          | na   | na   | 73          | 34  | 2.84                   |
| Plant Materials Center | 55    | 61   | 56   | 55          | 62   | 58   | 71          | 42  | 0.75                   |

<sup>1/</sup> Pan evaporation is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation. na – not available.

## Weekly Weather Statistics — Alaska: June 16 - June 22, 2014

| Weather station               | Air temperature |     |     |     | Last week precipitation |      | Season cumulative precipitation |       |      | Growing degree days |     |         |
|-------------------------------|-----------------|-----|-----|-----|-------------------------|------|---------------------------------|-------|------|---------------------|-----|---------|
|                               | Hi              | Low | AVG | DFN | Total inches            | Days | Total inches                    | DFN   | Days | Base 50             |     | Base 40 |
|                               |                 |     |     |     |                         |      |                                 |       |      | Total               | DFN | Total   |
| Fairbanks International.....  | 76              | 49  | 59  | -3  | 1.72                    | 5    | 2.05                            | +0.45 | 13   | 248                 | +6  | 725     |
| Fairbanks-Eielson .....       | 75              | 44  | 56  | -5  | 0.72                    | 3    | 0.77                            | -1.09 | 4    | 149                 | -77 | 559     |
| Nenana .....                  | 74              | 42  | 57  | -3  | 2.36                    | 4    | 3.65                            | +2.60 | 12   | 165                 | -31 | 598     |
| Fort Greely-Allen .....       | 69              | 42  | 54  | -6  | 2.84                    | 4    | 3.51                            | +1.08 | 15   | 137                 | -79 | 563     |
| Healy River Airport.....      | 68              | 45  | 54  | -4  | 1.09                    | 6    | 1.81                            | -0.50 | 18   | 92                  | -48 | 512     |
| Gulkana Airport.....          | 71              | 34  | 51  | -4  | 0.28                    | 3    | 0.96                            | -0.69 | 8    | 38                  | -38 | 488     |
| Sutton .....                  | 66              | 43  | 52  | -3  | 1.12                    | 6    | 3.11                            | +1.28 | 22   | 50                  | -34 | 510     |
| Palmer .....                  | 69              | 41  | 54  | -3  | 0.53                    | 3    | 1.57                            | +0.03 | 12   | 160                 | +20 | 670     |
| Talkeetna .....               | 73              | 47  | 55  | -2  | 0.71                    | 5    | 2.92                            | -0.41 | 19   | 126                 | +4  | 605     |
| Willow Airport.....           | 69              | 47  | 55  | -1  | 1.00                    | 6    | 2.95                            | +1.62 | 21   | 161                 | +58 | 672     |
| Anchorage International ..... | 67              | 48  | 55  | +0  | 0.68                    | 2    | 2.36                            | +0.92 | 14   | 176                 | +55 | 688     |
| Kenai.....                    | 67              | 42  | 52  | +1  | 0.57                    | 5    | 2.23                            | +0.51 | 18   | 51                  | +2  | 449     |
| Homer.....                    | 63              | 42  | 52  | +2  | 0.38                    | 3    | 2.27                            | +0.54 | 18   | 64                  | +26 | 546     |
| Kodiak.....                   | 63              | 39  | 49  | -2  | 1.71                    | 3    | 7.34                            | -3.05 | 15   | 67                  | +28 | 508     |

Summary based on NWS data.

DFN=Departure from normal.

Precipitation days=Days with precipitation of 0.01 inch or more.

Season cumulative precipitation total starts May 1, 2014.

For more weather information visit [www.awis.com](http://www.awis.com) or call 1-888-798-9955.

Copyright 2014: Agricultural Weather Information Service, Inc.

All rights reserved.

To receive this report via email each week subscribe at:

[http://www.nass.usda.gov/Statistics\\_by\\_State/Alaska/Subscribe\\_to\\_AK\\_Reports/index.asp](http://www.nass.usda.gov/Statistics_by_State/Alaska/Subscribe_to_AK_Reports/index.asp)

If you would like to be taken off the mail list send an email to: [suzan.benz@nass.usda.gov](mailto:suzan.benz@nass.usda.gov)